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NFORMATION REPORT INFORMATION

CENTRAL INTELLIGENCE AGENCY

This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law. S-E-C-R-E-T 50X1-HUM COUNTRY East Germany/USSR REPORT SUBJECT Welding Technology in East Germany Cto DATE DISTR. 3 MAR 1961 and the USSR TE NO. PAGES 1 REFERENCES RD DATE OF INFO. PLACE & 50X1-HUM DATE ACC 50X1-HUM THIS IS UNEVALUATED INFORMATION. SOURCE GRADINGS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE Information is given on the spot-welding process developed in East Germany, use of resistance-welding in East Germany, and two Soviet enterprises concerned with welding technology,) 27 the Paton Institute for Welding in Kiev and SNITMASCH, Moscow. 50X1-HUM S-E-C-R-E-T STATE X ARMY #X NAVY #X AIR EV #X NSA X OCR (Note: Washington distribution indicated by "X"; Field distribution by "#".)

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- 2 -	
2. This research was done at the Central Institute.	50X1-HUM
more or less complete. In general, argon technique and special electrodes were	
being used. The electrodes were manufactured at the Elektrodenwerk, Berlin-	
Oberschoeneweide.	50X1-HUM
3.	
information on the following institutes:	
A. PATON Institute for Welding in Kiev.	50X1-HUM
The state of the s	3071-110101
Prof. Paton is the inventor of electro-slag-welding (Elektro-Schlacken-Schweis-	
sung) - for thick, large diameters.	50X1-HUM
the research was coming along well. The ELIRA UNIMELT (unter Pulver) process	1
seemed well advanced and good equipment was being developed at the institute.	
B. SNITMASCH (phonetic), Moscow.	•
This institute primarily developed electrodes for austenitic steels and heat-balance-research (testing?) ((Waermebilanzuntersuchung bei Schweissung))	
during welding. The chief was Professor JARCWINSKI (phonetic) (fnu). The	
specialist was Professor RIKAZIN (phonetic) (fnu), member of the Soviet Academy	□ 50 0/4 LUINA
of Sciences.	50X1-HUM
4. See under Point Three above. 50X1-	HUM
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